

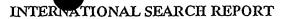
Form PCT/ISA/210 (second sheet) (July 1998)



## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/08563

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> H02M7/48, H05B41/24, G02	F1/133		
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl <sup>7</sup> H02M7/48, H05B41/24, G02F1/133			
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003			
Electronic data base consulted during the international search (na	me of data base and, where practicable, sea	rch terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category* Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.	
CD-ROM of the specification the request of Japanese Utili 32238/1992 (Laid-open No. 908 (Enplas Corp.), 10 December, 1993 (10.12.93) (Family: none)	ty Model Application No. 397/1993)	1-8,10-23 9,24-35	
Microfilm of the specificati to the request of Japanese Ut No. 30812/1988 (Laid-open No. (Kabushiki Kaisha Erebamu), 13 September, 1989 (13.09.89 (Family: none)	ility Model Application 134398/1989)	1-8,10-23 9,24-35	
Further documents are listed in the continuation of Box C.	See patent family annex.		
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  O7 October, 2003 (07.10.03)	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
Name and mailing address of the ISA/	Authorized officer		
Japanese Patent Office	Authorized Officer		
Facsimile No.	Telephone No.		



International application No. PCT/JP03/08563

C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<b>3</b> <sup>Y</sup> A	JP 4-36997 A (Toshiba Lighting & Technology Corp.), 06 February, 1992 (06.02.92), (Family: none)	1-8,10-23 9,24-35
$\mathscr{G}_{A}^{Y}$	JP 59-144376 A (Matsushita Electric Works, Ltd.), 18 August, 1984 (18:08.84), (Family: none)	1-8,10-23 9,24-35
Ð <sup>Y</sup> A	JP 2001-126888 A (Harison Toshiba Lighting Corp.), 11 May, 2001 (11.05.01), (Family: none)	1-8,10-23 9,24-35
<b>6</b> ) A	JP 8-110522 A (Matsushita Electric Industrial Co., Ltd.), 30 April, 1996 (30.04.96), (Family: none)	14-23 1-13,24-35
$\mathcal{D}_{\mathtt{A}}^{\mathtt{Y}}$	JP 5-119311 A (NEC Corp.), 18 May, 1993 (18.05.93), (Family: none)	14-23 1-13,24-35
<b>Ø</b> A .	<pre>JP 62-234126 A (NEC Home Electronics Ltd.), 14 October, 1987 (14.10.87), (Family: none)</pre>	14-23 1-13,24-35